

P10-1357

ABSTRACT

An elastomeric suspension spring (14) usable for bearing the load of a motor vehicle, which exhibits both reduced creep and improved endurance in torsion and a suspension joint comprising this spring consists of a cross-linked rubber composition based on (phr: parts by weight per hundred parts of diene elastomer(s)):

- natural rubber in a quantity equal to or greater than 60 phr,
 - a filler, and
 - a sulfur cross-linking system comprising at least one cross-linking accelerator, and is such that said filler comprises, in a mass fraction greater than 55%:
 - a carbon black, whose grade varies from 600 to 900, said composition comprising in this case a total quantity of filler of from 10 to 60 phr, or
 - an inert white filler, said composition comprising in this case a total quantity of filler of from 10 to 30 phr,
- the cross-linking system comprising 0.7 to 1.2 phr of sulfur and being such that the mass ratio of sulfur to cross-linking accelerator(s) varies from 0.15 to 2.70.